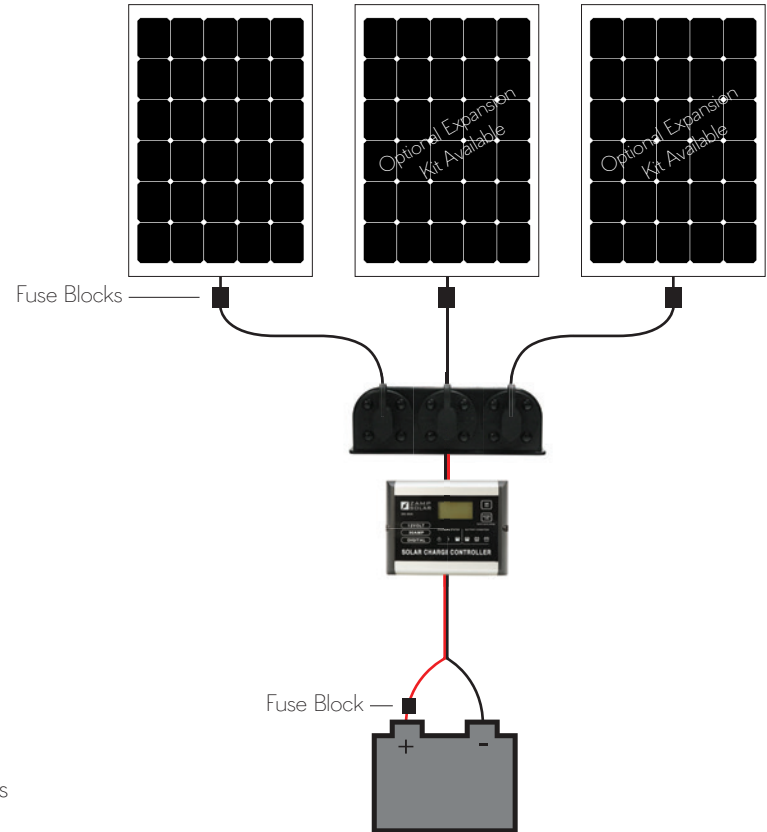


## Install Safety:

- Inspect the installation area for safety hazards
- Be sure to remove all metal, such as rings and other jewelry
- Disconnect all power sources and ensure solar panels are completely covered - by a box or blanket until installation is complete

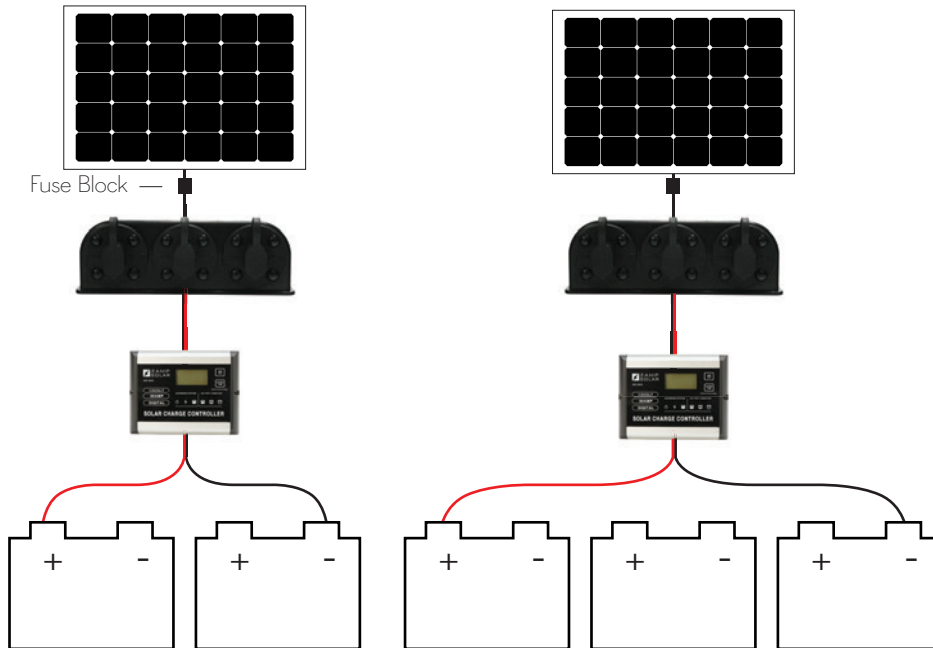
## Install Instructions:

1. Arrange the layout of your panels and wire, ensuring that:
  - 3-port roof cap is no more than 15' from charge controller
  - panel leads can reach 3-port roof cap
  - charge controller is no more than 9' from battery
  - panels are not shaded by vents, AC units, or other obstructions
2. Connect 15' Solar wire(s) to the 3-port roof cap(s).
  - Strip the ends of both positive and negative wires 1/2 inch
  - Screw the red (+) wire into corresponding positive terminal, black (-) wire into corresponding negative terminal.
3. Feed wires through roof and mount 3-port roof cap. Complete routing the 15' cable from roof to charge controller location
  - \*Do not make connections at this time
4. Proceed to route the 10' cable from the charge controller to the battery
  - \*Do not make connections at this time
5. Connect the positive solar wire to the charge controller, then connect the positive battery wire to the controller. Repeat with negative wires.
6. Mount your charge controller
7. Attach mounting feet to panels. Proceed with panel installation.
8. Connect positive wire to battery and repeat with negative wire
9. You may now plug the SAE leads into the 3-port and uncover your panels
10. You are now charging your battery.
11. Configure your charge controller to the proper battery type

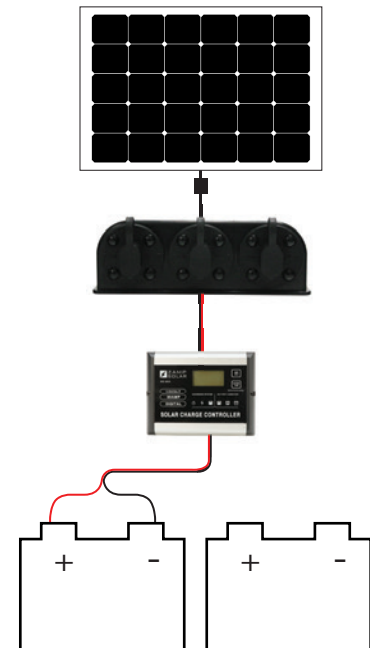


When wiring a solar kit to multiple batteries, it is important to remember that your batteries are wired together. To gain the most from your solar kit, be sure to place the positive wire on the first battery in the sequence and the negative wire on the last battery in the sequence. This is true regardless of the number of batteries in the bank.

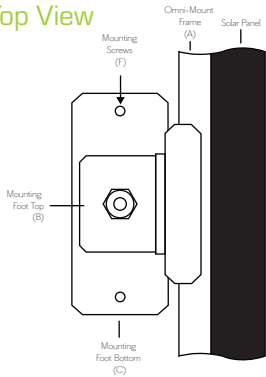
How **TO** wire a solar controller for 2 batteries    How **TO** wire a solar controller for 3 batteries



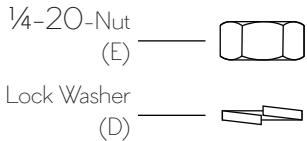
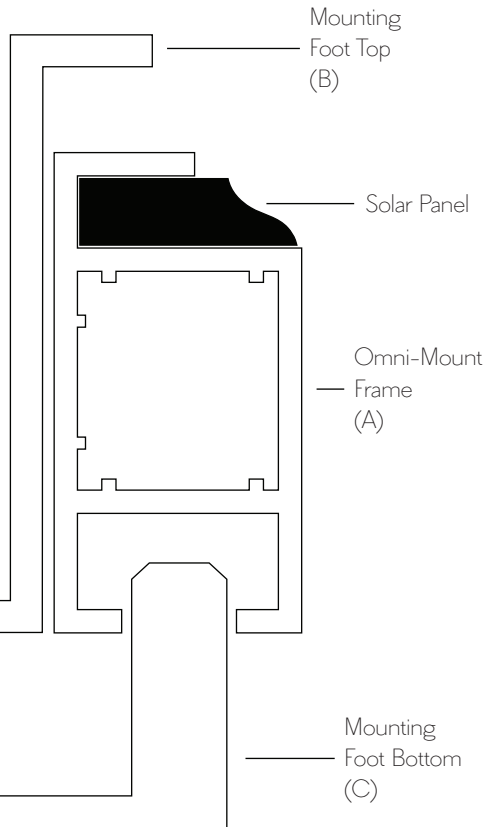
How **NOT** to wire a solar controller for 2 batteries



## Top View



## Side View



## Included Mounting Foot Components

- B (4) Mounting Foot Top
- C (4) Mounting Foot Bottom
- D (4) Lock Washer
- E (4) 1/4-20 Nuts

## Not Included Components

- Tube of UV Rated Adhesive Sealant
- Drill
- F (8) Mounting Screws (size #8)

## Install Instructions:

1. Find placement for your panel(s) on roof.
2. Install mounting feet to panel by following the diagram.
3. Tighten 1/4-20 nuts to approximately 20 foot lbs of torque.
4. Mark the location of the mounting foot (C) holes on the roof of your RV.
5. Drill holes as indicated by the marks from previous step.
6. Apply a generous amount of sealant to the RV roof where mounting feet and screws will be placed.
7. Place panels and mounting feet over the drilled and sealed areas.
8. Install the mounting screws (C) and let sealant set.
9. Retighten as needed.